



Swimming Pool Construction Guide

Orange County Health Care Agency / Environmental Health Division
2009 E. Edinger Ave., Santa Ana, CA 92705
Telephone (714) 667-3737

When submitting swimming pool plans for approval, a Plan Check fee for their review and 3 sets of plans at $\frac{1}{4}"=1'$ scale with the following information are required:

1. Name and mailing address of owner.
2. Address of the pool to be constructed.
3. Name, address and telephone number of pool company or pool builder.
4. Scaled plot plan showing pool location in relationship to adjacent buildings.
5. Floor plan of restroom facilities (when required) to be used by bathers.
(NOTE: If the farthest living quarters are over 300 feet in travel distance from pool side, separate and adjacent restroom facilities will be required. An accompanying plot plan must have dimensions to scale that indicate the distance to the farthest living quarters).

RESTROOM FACILITY REQUIREMENTS (when required)

1. Separate restrooms for both men and women, with access for the disabled.
2. View screen for privacy.
3. Smooth, moisture resistant wall finishes throughout.
4. Floor must extend upwards onto the walls at least 5" with an integrally coved junction and shall slope to floor drain(s).
5. Shower(s) with adequate drainage and hot and cold water.
6. Hand lavatory with single-service soap and towel dispensers and hot and cold water.
7. Drinking fountain in the pool area.
8. A water closet in each restroom (minimum).
9. Carpet is not allowed in toilet or shower rooms.

PROFILE VIEW (Longitudinal section) drawn through the center line of the pool must indicate the following data:

1. Overall length dimension.
2. Distance from shallow end wall to point of break in bottom slope from shallow to deep portions.
3. Distance from break in bottom slope to main drain (maximum depth).
4. Distance from main drain (maximum depth) to deep end wall.
5. Depth at shallow end wall (maximum depth of $3\frac{1}{2}$ feet at base of steps).
6. Depth at break in bottom slope.
7. Depth at main drain.
8. Location of safety line anchors.
9. Height of step risers.
10. Design and location of handrail(s).
11. Dimensions of the steps.
12. Sectional view of coping, drawn to scale.

TOP VIEW must indicate the following data:

1. Diving board (if any) location and distance from board center to side walls and any other diving board.
2. Skimmer and suction line locations and sizes.
3. Four inch wide, slip resistant tiles, of contrasting color, along the bottom of the pool where the water depth is 4½ feet. (Note: Pools with a maximum water depth of 5 feet or less are not required to provide the depth marking line).
4. Fill line location (permanently installed).
5. Location and sizes of returns and main drain line.
6. Location of ladder and grab rails, steps and safety handrails (upper rail must be at least twenty-eight inches above deck level.)
7. Pool light location and wattage.
8. Width of pool at main drain (fifteen feet minimum).
9. Location of equipment room or area, face piping line size, and required equipment location.

EQUIPMENT SPECIFICATIONS (size for six hour turnover rate).

1. Filter: make, model number and square footage.
2. Pump: make, model number and horsepower rating.
3. Skimmer: make, model number with equalizer line, if not connected to main drain. (One for each five hundred square feet or fractional part thereof).
4. Disinfectant Feeder: make and model number.
5. Flow indicator: make and model number.
6. Slurry funnel or if feeder required. Indicate make, model number.
7. Influent and effluent pressure gauges.
8. Backwash line to sewer with air-gap separation. A sight glass if required.
9. Color of plaster (must be white).
10. Backflow prevention device on fresh water fill line at supply valve.
11. Equipment room floors must be concrete and slope to drainage.

SUPPORTING DATA (Indicate or list the following data)

1. Pool capacity in total gallons.
2. Square footage of pool.
3. Dimensions of pool length and width.
4. Pipe sizes of return lines and suction lines, also type of piping to be used, (copper, PVC, etc.).
5. Four feet of paved and unobstructed decking completely around all pools (sloped away from pool at 1/4 inch per foot to drains) including special use pools and wading pools. The distance between any two pools must be at least six feet.
6. Depth markers on both sides (at break in slope, minimum and maximum depths) and both ends of the pool. If the pool is over 20 feet wide, the pool must have corresponding depth markers on deck.
7. Location of hose bibs in the pool area. (Backflow prevention devices are required).

8. Main drain grates must be screwdownd type and IAPMO approved.
9. Two return inlets for the first 10,000 gallons or fractional part thereof. Locate at least eighteen inches below the water line.

SAFETY EQUIPMENT

1. Sign indicating, "No Lifeguard on Duty. Children Under the Age of 14 Should Not Use Pool Without an Adult in Attendance."
2. Artificial respiration demonstration sign.
3. Emergency telephone numbers sign. ("911")
4. No Diving Allowed sign (if pool maximum water depth is 6 feet or less).
5. Test kit for pH and chlorine.
6. First-aid kit.
7. Body hook on a twelve foot pole.
8. Life-ring with a 3/16 inch attached line long enough to span maximum width of the pool.
9. Occupant Load sign. (1 bather/20 square feet of water surface area).

ADDITIONAL REQUIREMENTS

1. Step treads must be twelve inches wide. Top curved steps must be at least eighteen inches wide. Step risers must not exceed twelve inches in height and be uniform.
2. For current fencing requirements contact the Environmental Health Division. (Contact your local building department for their fencing requirements.)
3. Submit section view of coping, drawn to scale.